

ABSTRACT

In a method for treating waste products and recycling  
5 products of solid organic or inorganic materials or  
composite materials or mixtures thereof, a breaking-up or  
separation of the components by means of an impulse is  
effected in the composite material or the mixture by a  
device which suddenly interrupts the flow of said composite  
10 material or mixture. Process air is fed in a counter-  
rotating, rising flow path (34) into the spiral-like  
downward transport path (32) generated in a rotor (26)  
having a vertical axis (A), and a shockwave is claimed to  
be generated between the layers of the composite material  
15 against a deflector wall of the rotor (26). In addition,  
two radially spaced, coaxially arranged wall faces rotate  
relatively to one another about their axis and the  
composite materials or mixtures moved by centrifugal forces  
are moved and broken up between deflector faces projecting  
20 radially from the deflector walls.

Fig. 4

Translator's note:

Original p. 10, line 17:

Ref. 'z' does not appear to be visible in Fig. 3, making  
5 translation of the term 'Prallbewegung' uncertain.